

Subtype AIM06	
Certificate Holder	Argoclima S.p.A
Address	Via Alfeno Varo, 35
ZIP	25020
City	Alfianello (BS)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	AIM06
Registration number	ICIM-PDC-000011-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.3 kg
Certification Date	10.10.2018

Model AIM06EMX		
Model name	AIM06EMX	
Application	Heating + DHW + low temp	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	No	
Outdoor Air/Water		
EN 16147 Average Climate		
Declared load profile	XL	
Efficiency η_{DHW}	91 %	
COP	2.18	
Heating up time	4:04 h:min	
Standby power input	54.3 W	
Reference hot water temperature	46.7 °C	
Mixed water at 40°C	364 l	
EN 14511-4 Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
EN 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	5.80 kW	4.16 kW
El input	1.41 kW	1.97 kW
COP	4.12	2.11
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
η_s	153 %	111 %
Prated	4.73 kW	3.51 kW
SCOP	3.89	2.85
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.18 kW	3.10 kW
COP Tj = -7°C	2.47	1.70
Pdh Tj = +2°C	2.49 kW	1.95 kW
COP Tj = +2°C	3.79	2.85
Pdh Tj = +7°C	1.66 kW	1.43 kW
COP Tj = +7°C	5.21	3.85
Pdh Tj = 12°C	1.16 kW	1.29 kW
COP Tj = 12°C	6.39	5.24
Pdh Tj = Tbiv	4.18 kW	3.10 kW
COP Tj = Tbiv	2.47	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.62 kW	2.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.03	1.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	5 W	5 W
PTO	8 W	8 W
PSB	5 W	5 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.11 kW	1.32 kW
Annual energy consumption Qhe	2509 kWh	2546 kWh